

1. An integrated multi-format audio/video production system, comprising:
2 a high-speed serial input for receiving an audio/video program having an input format
and an input frame rate;
4 a serial-to-parallel converter in communication with the input for outputting the
program onto a data bus;
6 a high-capacity read/write medium interfaced to the data bus for storing at least a
portion of the audio/video program; and
8 a format converter interfaced to the data bus for outputting the audio/video program
with an output format and output frame rate, either or both of which may be different from
10 the input format and input frame rate.

2. The multi-format production system of claim 1, wherein the high-speed serial
2 input conforms to IEEE standard 1394 or derivatives thereof.

3. The multi-format production system of claim 1, wherein the program is input
2 in an enhanced or high-definition format.

4. The multi-format production system of claim 1, wherein the program is output
2 in an MPEG or Motion-JPEG format.

5. The multi-format production system of claim 1, wherein the program is output
2 in a high-speed serial form.

6. The multi-format production system of claim 1, wherein the high-speed serial
2 output conforms to IEEE standard 1394 or derivatives thereof.

7. The multi-format production system of claim 1, further including a network

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- 2 interface in communication with the data bus providing a connection to local or remote
equipment.

8. The multi-format production system of claim 7, wherein the equipment
2 facilitates streaming video over the Internet or other network.

9. The multi-format production system of claim 7, wherein the equipment
2 provides archival storage of the audio/video program.

10. The multi-format production system of claim 7, wherein the equipment
2 enables multiple users to access or manipulate the audio/video program.

11. The multi-format production system of claim 1, further including multiple
2 format converters, each interfaced to the data bus.

12. The multi-format production system of claim 1, further including a digital
2 effects unit for manipulation of the audio and/or video portions of the program.

13. The multi-format production system of claim 12, further including:
2 a high-speed network over which the digital effects unit is accessible; and
one or more workstations enabling users to access the digital effects unit and other
4 aspects of the system.

14. The multi-format production system of claim 1, wherein the input and output
2 frame rates are 24, 25, or 30 frames-per-second, or any integer multiple or integer fraction
thereof.

15. An integrated multi-format audio/video production system, comprising:
2 a high-speed serial input for receiving an audio/video program having an input format
and an input frame rate;
4 a serial-to-parallel converter in communication with the input for outputting the
program onto a data bus;
6 a high-capacity read/write medium interfaced to the data bus for storing at least a
portion of the audio/video program; and
8 a format converter interfaced to the data bus for outputting the audio/video program
over a high-speed serial network with an output format and output frame rate, either or both
10 of which may be different from the input format and input frame rate.

16. An integrated multi-format audio/video production system, comprising:
2 a high-speed serial input for receiving an audio/video program having an input format
and an input frame rate;
4 a serial-to-parallel converter in communication with the input for outputting the
program onto a data bus;
6 a high-capacity read/write medium interfaced to the data bus for storing at least a
portion of the audio/video program;
8 a format converter interfaced to the data bus for outputting the audio/video program
with an output format and output frame rate, either or both of which may be different from
10 the input format and input frame rate; and
a network interface in communication with the data bus providing a connection to
12 local or remote users.

17. The multi-format production system of claim 16, wherein the network
2 interface facilitates streaming video over the Internet or other network.

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